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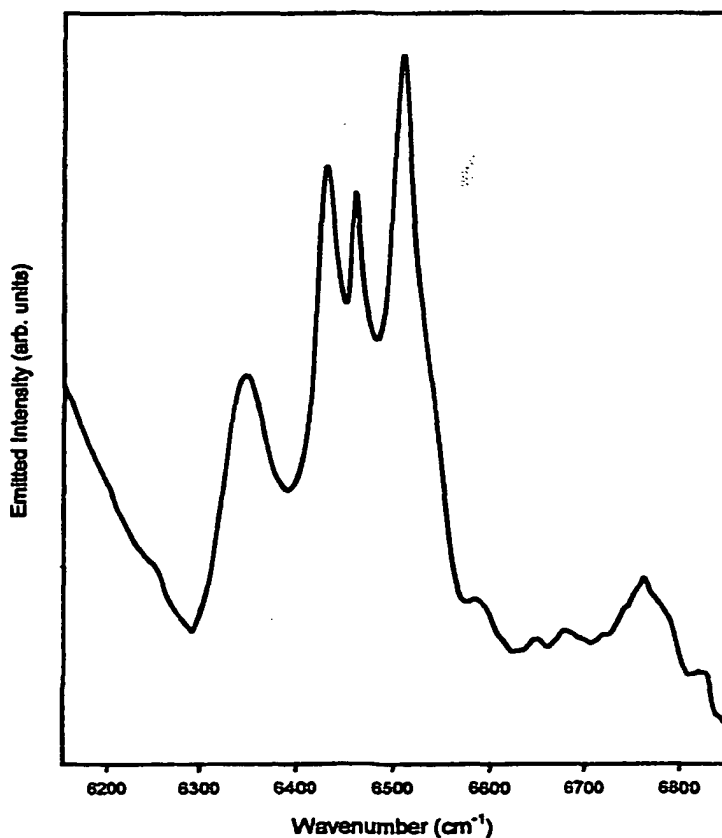
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(54) Title: NANOFIBERS WITH MODIFIED OPTICAL PROPERTIES



(57) Abstract: Nanofibers modified to alter their optical properties in the infrared part of the electromagnetic spectrum, which nanofibers can be used in applications ranging from identification technology to energy conversion devices (e.g., thermophotovoltaics) to stealth technology. The desired optical properties can be obtained by modifying the fibers with rare earth and other materials and then can be incorporated into garments or other composite structures or can be applied as coatings on solid surfaces, to be used in a number of applications that benefit from selective emission properties.

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